

RESTRICTED CIRCULATION

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Agricultural Memorandum No 681Weather and the Non-febrile Common Cold

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The data was analysed in the previous manner (see Ag Mem 680), finding for the 60 sets of data:-

$$C_N = 133 + 0.49F - 0.39M - 8N^1$$

where F = infection judged by average number of cases in previous 2 weeks

M = immunity, judged by average number of cases in previous 10 weeks,
(excess of 150)

N^1 = mean minimum temperature over 4 week period starting 3 days ahead
of disease period

C_N = Non-febrile common cold per 100,000; mean for 4 weeks.

Total correlation was 0.8284; the independent test of the subsequent 39 sets of data was 0.8584, and the partial correlation coefficients

$$C \text{ on } F + 0.4756$$

$$\text{on } M - 0.2577$$

$$\text{on } N^1 - 0.4633$$

Any comments or suggestions on this paper should be referred to the author.

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